

Fig. 1

TOP SECRET

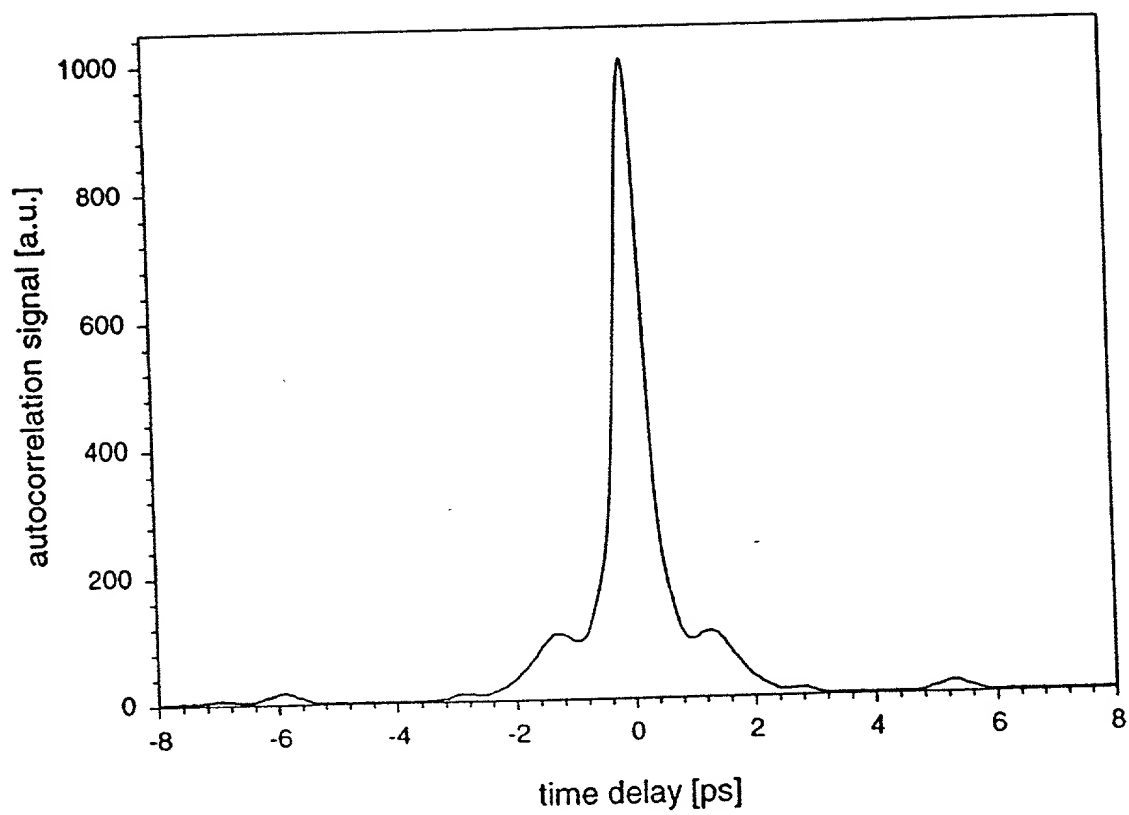


Fig 2

1510 1520 1530 1540 1550 1560

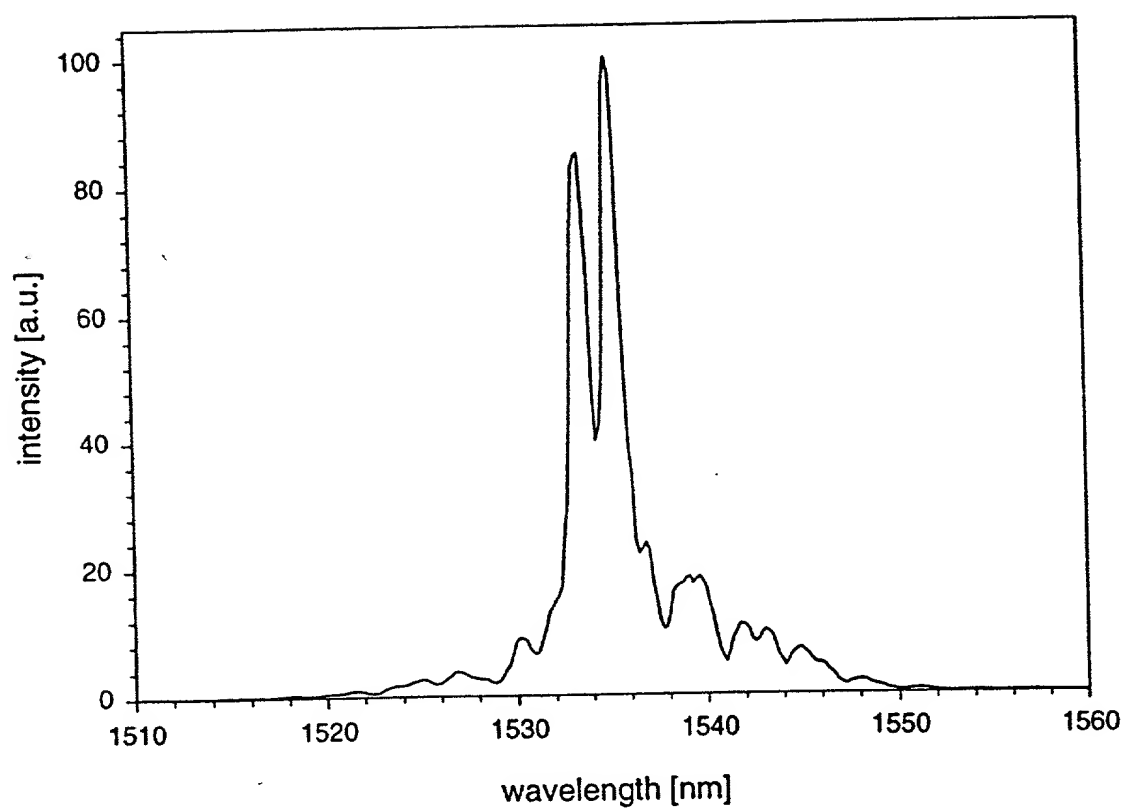


Fig. 3

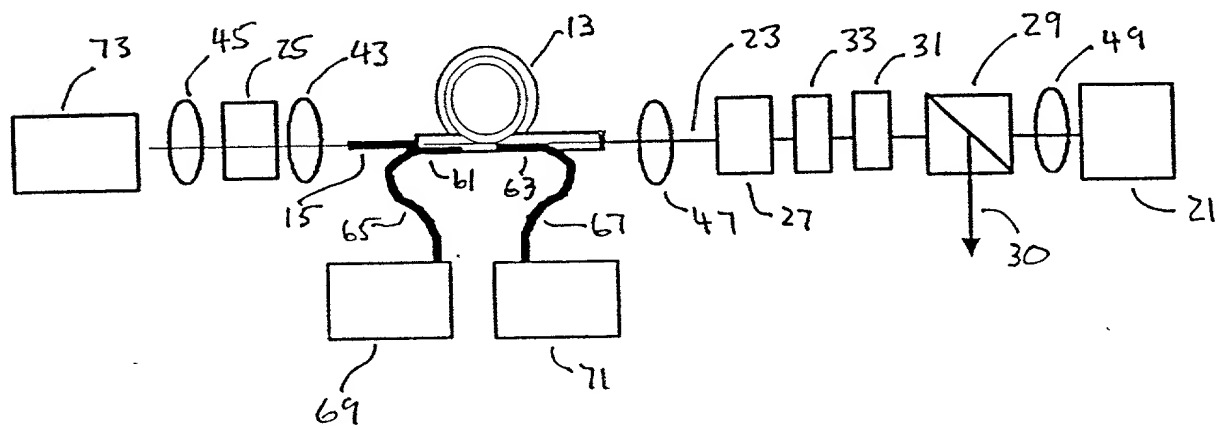


Fig. 4

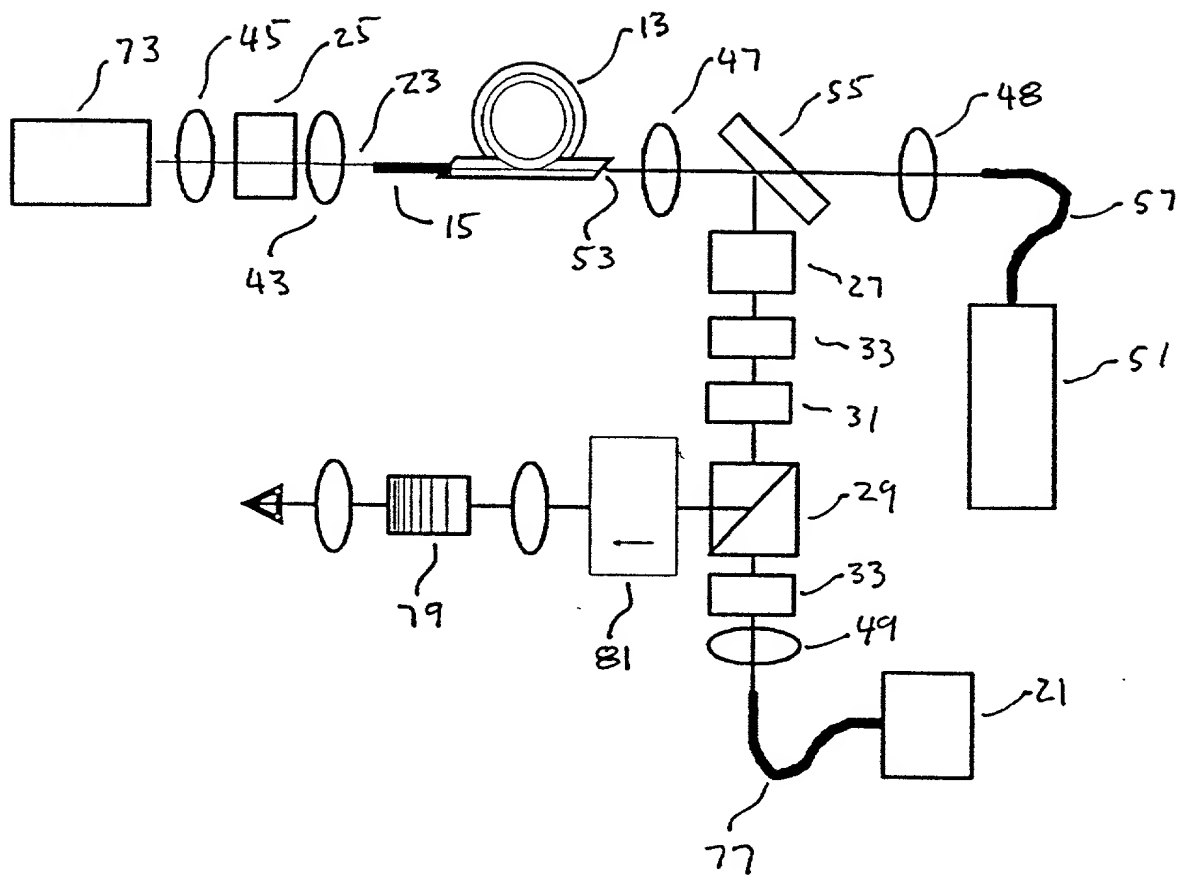


Fig. 5

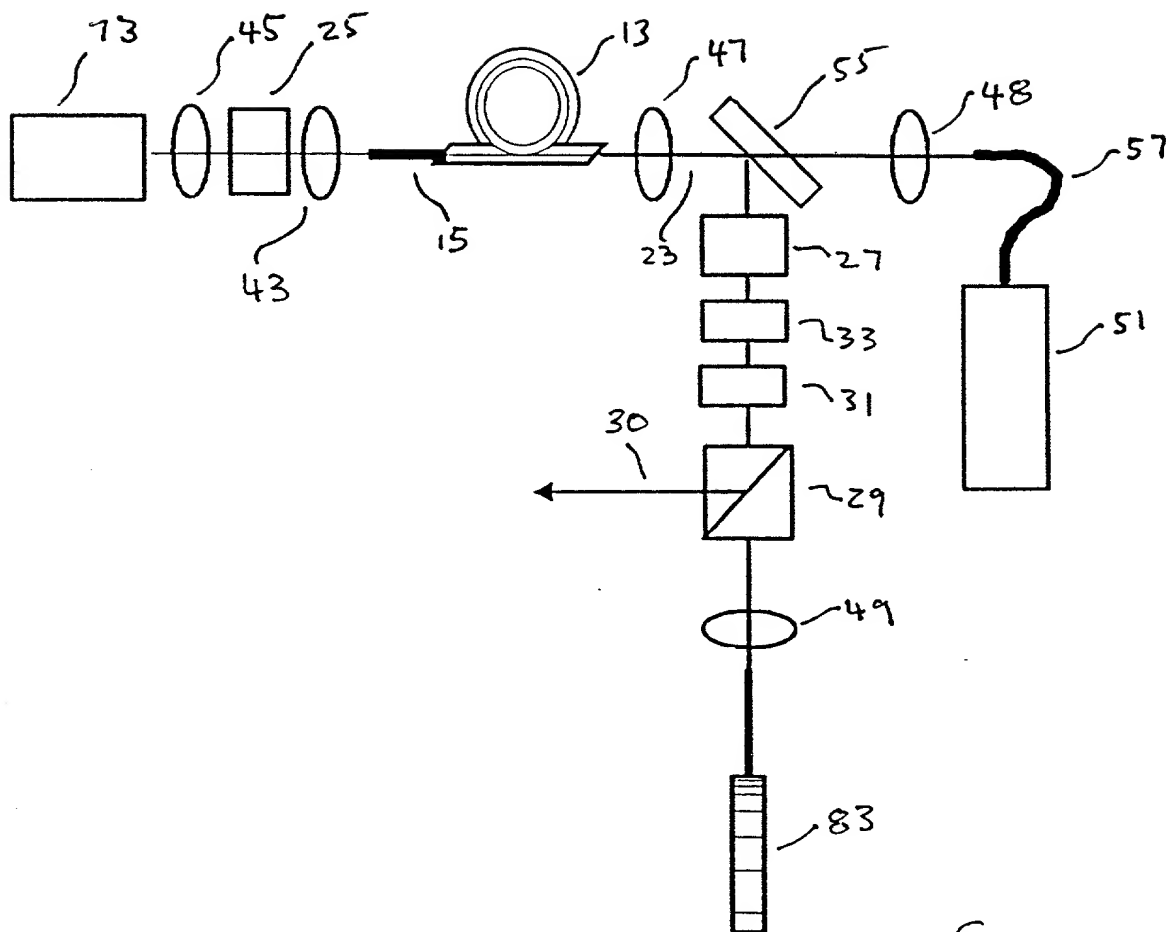


Fig. 6

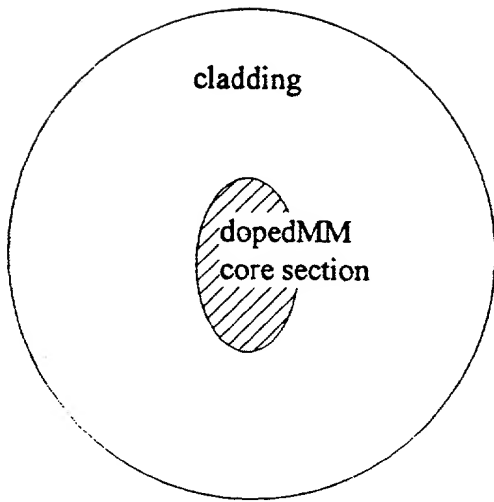


Fig. 7a

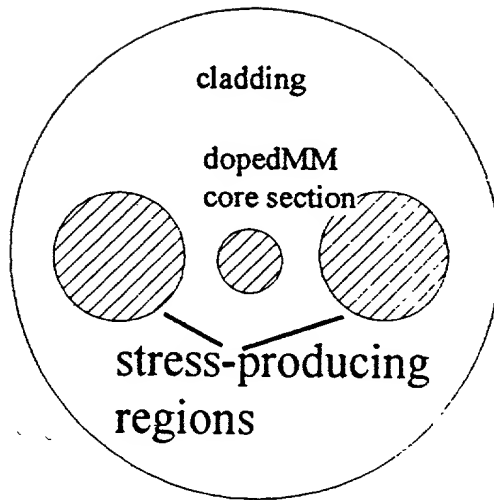


Fig. 7b

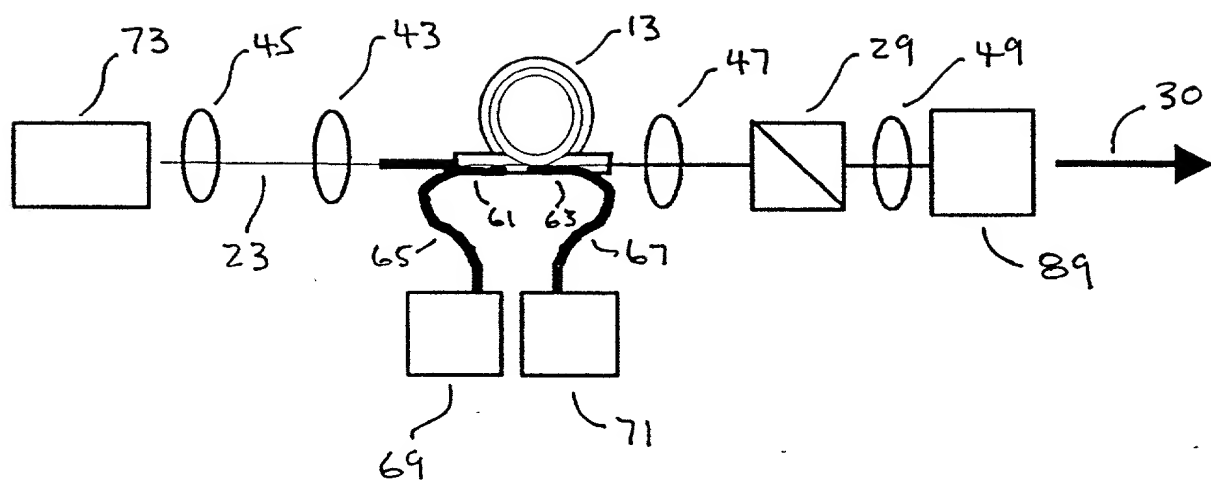
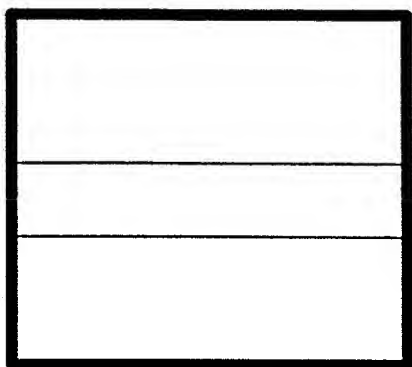


Fig. 8

Free-space coupling

MM fiber



SM fiber

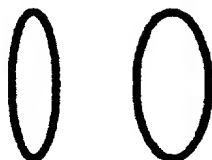
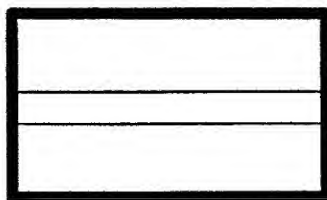
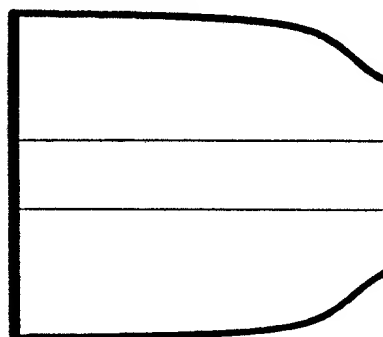


Fig. 9a

Spliced fibers

MM fiber



SM fiber

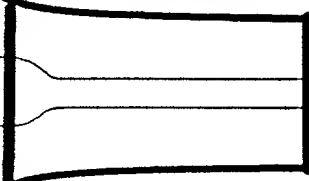
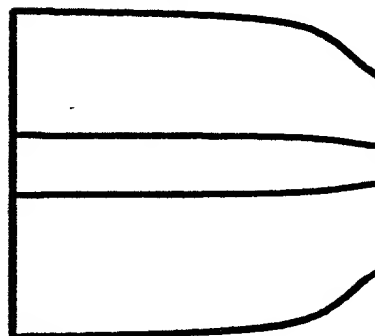


Fig. 9b

MM to SM taper

MM fiber



SM fiber

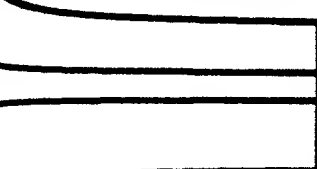


Fig. 9c

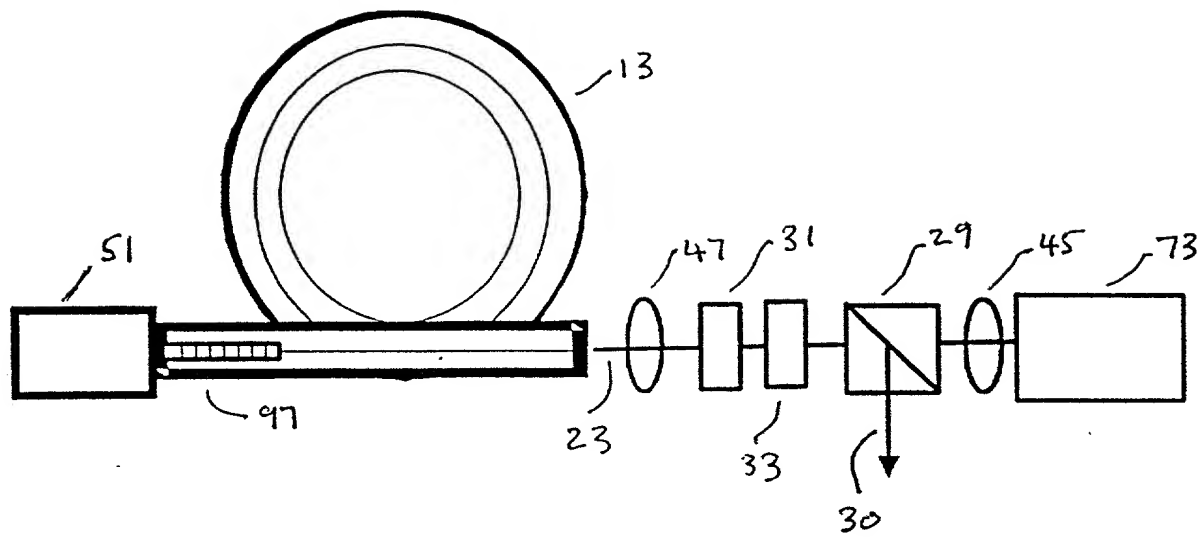


Fig. 10

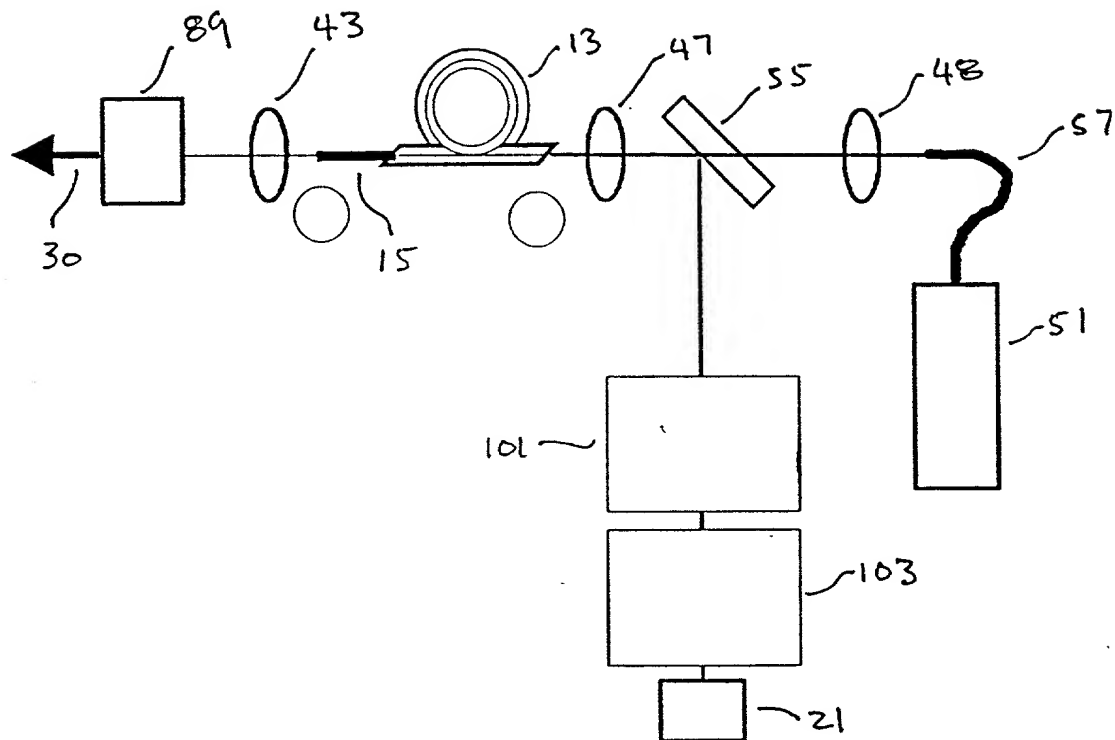


Fig. 11